

APPARATUS.

The Department is well supplied with the commoner forms of chemical apparatus and chemicals. In addition to these it owns several of the more expensive pieces of apparatus, such as several delicate balances for analytical work; a grand model Bunsen & Kirchoff spectroscope; platinum apparatus; a glass model ice-machine. These will be added to from time to time, as the needs of the Department demand and the resources of the institution permit; as it is now, however, the equipment is such as readily to enable the student to obtain at first hand a good working knowledge of the principles of chemical science.

COURSE IN CHEMISTRY.

The Chemical course is one of the several scientific courses offered by the College. It is offered with the view of preparing the student for life work in Chemistry, or of fitting him for the study of medicine and kindred professions. To the accomplishment of this purpose the following course of study, extending over a period of four years, has been adopted.

STUDIES REQUIRED.

The first year is devoted to the study of English, German, Physiology, Free-hand Drawing, and Mathematics, including Plane Geometry, Trigonometry, and Algebra. The second year to German, Physics, Botany, Chemistry, and Mathematics, including Solid and Analytical Geometry and Calculus. The third year to Theoretical Chemistry, English, Calculus, French, and laboratory work on the Chemistry of the metals and on Qualitative Analysis, Mineralogy, and Blow-pipe Analysis. The fourth year to Quantitative Analysis, Organic Chemistry, Chemical Reading on advanced topics, and to Chemical Research, History and Political Economy, Logic and Mental Philosophy.

For further information as to requirements, the Schedule may be consulted, page 59.

THE TRAINING IN CHEMISTRY PROPER.

The study of Chemistry proper, as outlined in the above, is sufficient in its scope to bring the student into close contact with the great fundamental truths of the science.

The course in General Chemistry, extending through the second and third terms of the second year, consists of lectures and recitations five times weekly on the non-metals and their compounds and the simpler laws of chemical change. The lectures are illustrated by experiments; the laboratory work is carefully directed, and the student receives every possible encouragement to do creditable work.

In the third year the study of Chemistry consists of laboratory work and Theoretical Chemistry. The study of Theoretical Chemistry, consisting of lectures recitations, and readings five times weekly throughout the year, is intended to acquaint the student with the greatest generalizations and theories of modern chemistry and their historical development.